

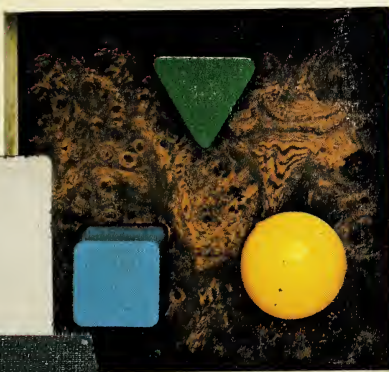
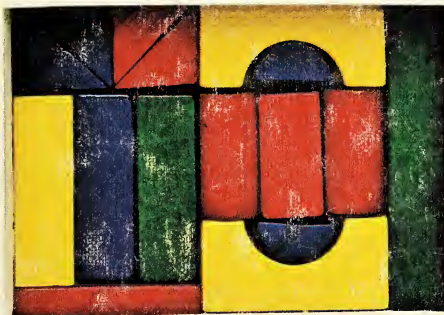
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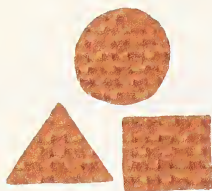
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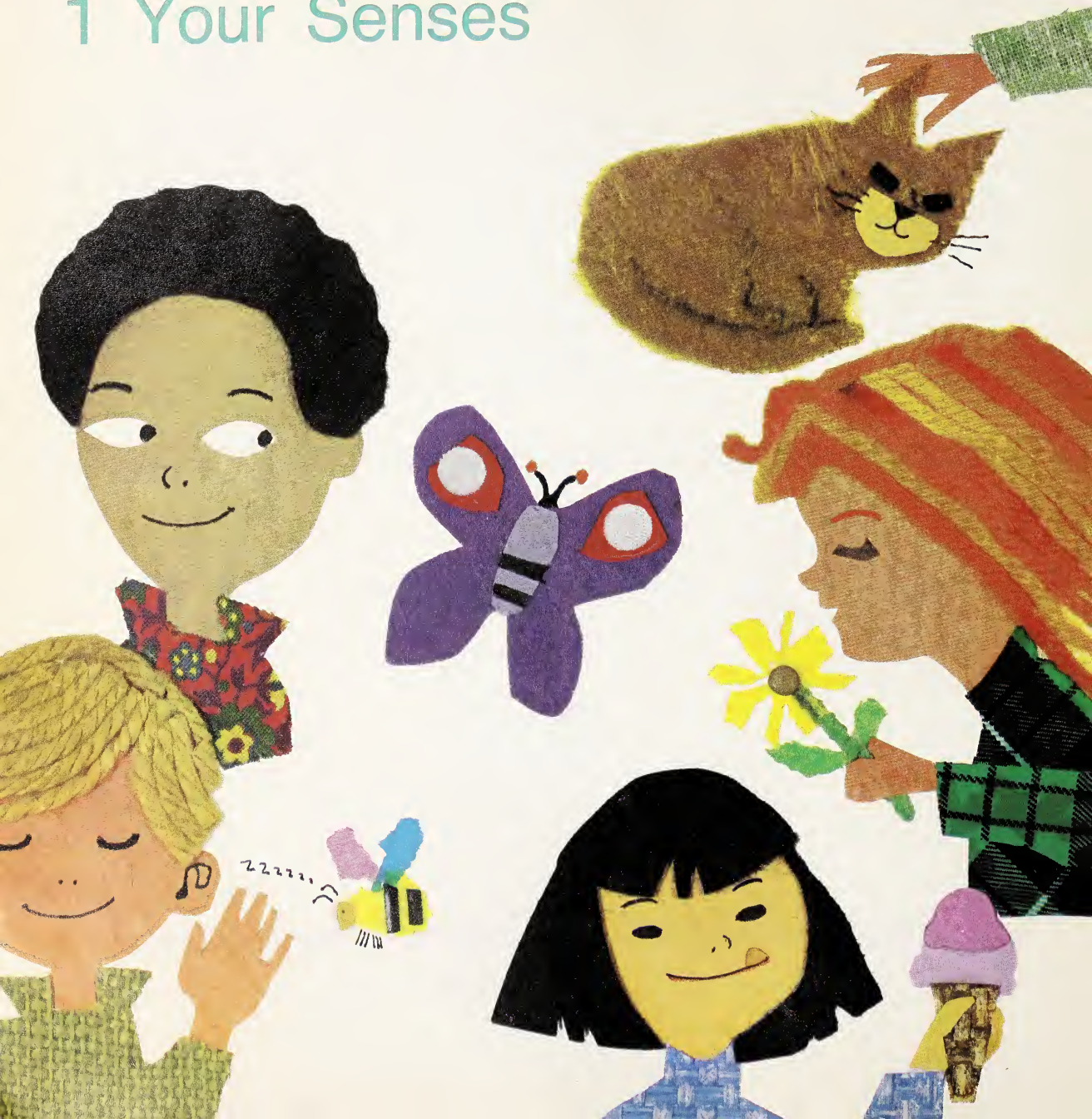
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Some Science Words to Know

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1 Your Senses





How is Mark finding out about things around him?

How do you find out about things around you?

Seeing



How are these children
finding out about things?

How does seeing help you
find out about things?



FINDING OUT

- Make a magnifying glass like the one in the picture.
- Hold some small things under it.



Does your magnifying glass help you find out about things? If so, how?

Hearing



What sounds are being made
in the pictures?

How does hearing help you
find out about things?



Touching





What are these children
finding out by touching?
How is touching important
to you?

FINDING OUT

- ▶ Close your eyes.
- ▶ Hold a glass of warm water and a glass of cold water.
- ▶ Tell which glass of water feels warm and which feels cold.



- ▶ Taste some foods.
- ▶ Tell which food feels hard and which feels soft.



How else might things feel to you?
What other parts of your body
can you feel with?

Smelling



How are these children
finding out about things?



FINDING OUT

- ▶ Close your eyes.
- ▶ Have a friend hold some things in front of your nose.
- ▶ Guess what each thing is.



Which things did you
guess right?

Is smelling important to you?
If so, why?

Tasting



What are some foods
you like the taste of?



FINDING OUT

- ▶ Taste some foods.
- ▶ Tell which foods taste sweet.
- ▶ Tell how the other foods taste.



Is tasting important to you?
If so, why?

Smelling and tasting



Does smelling help you taste foods?
How might you find out?

FINDING OUT

- Close your eyes.
- Hold your nose shut.
- Try guessing what some foods are by tasting them.



Might smelling the foods help you taste them? Try finding out.

Words to Know

seeing

touching

tasting

hearing

smelling

Picture to Think About



How are these children finding out
about things around them?

Questions to Answer

1. How does seeing help you find out about things?
2. How does hearing help you find out about things?
3. How does touching help you find out about things?
4. How does smelling help you find out about things?
5. How does tasting help you find out about foods?

Fun Things to Do

Draw some pictures.

Show some ways seeing
and hearing help you.

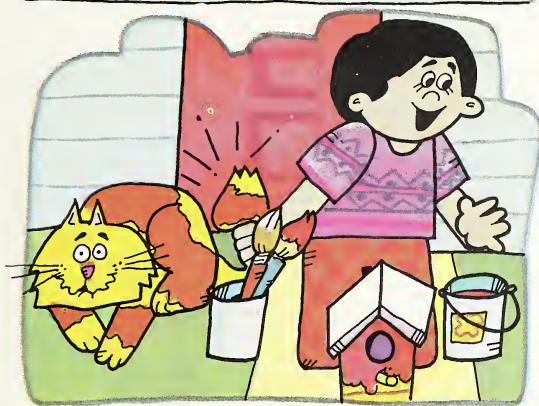
Show some ways touching, smelling,
and tasting help you.

Have a tasting party.

Taste some foods you
have never tasted before.

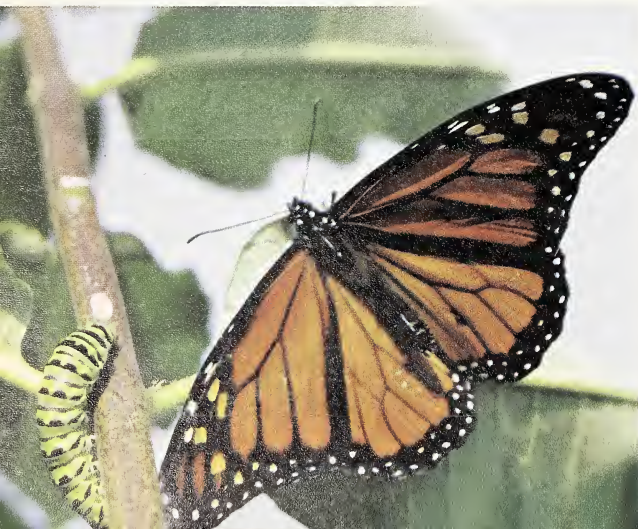
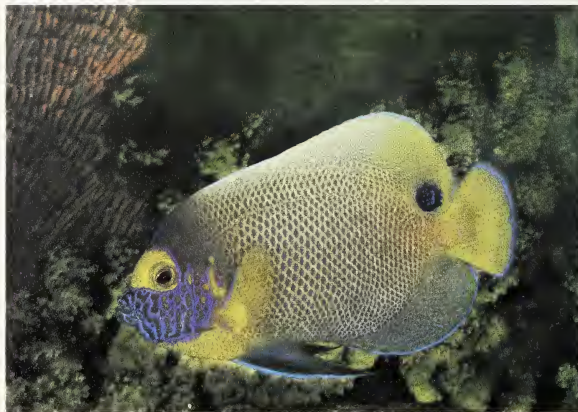
2 Living Things





When did Kevin know
his brush was living?
What are some other
living things?

Kinds of living things



Which of these living things are plants?

Which of these living things are animals?



How are you different from
other living things?



FINDING OUT

- ▶ Find some things outside.
- ▶ Find things that are not living.
- ▶ Find things that are living.





Which of your things are not living?
Which of your living things are plants?
Which are animals?

Moving



Which things can move by themselves?



How did the plant move?
What do you think made
the plant move?



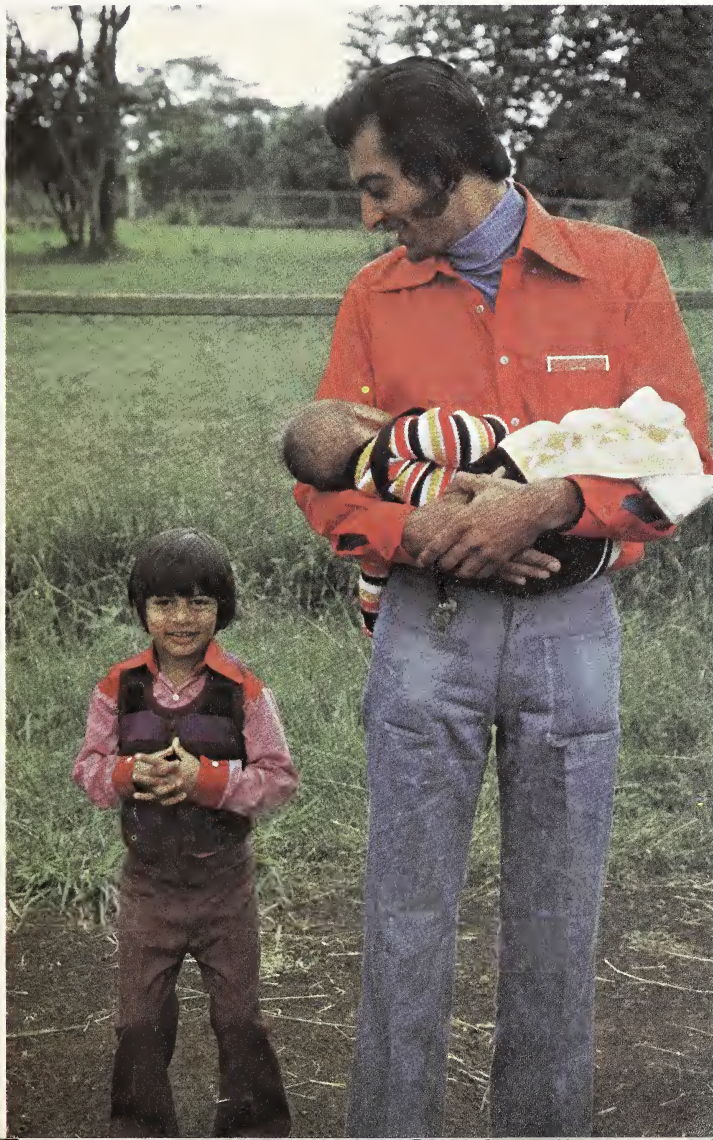
Growing and changing



Which things in the pictures can grow?



Which things cannot grow? Why?
How do some living things change
as they grow?



FINDING OUT

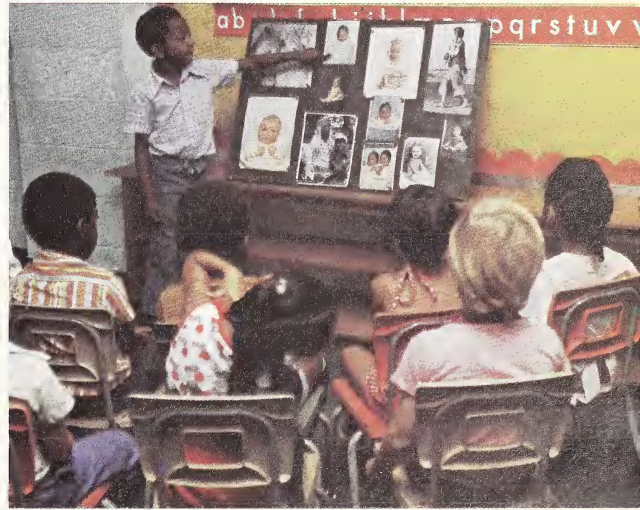
- ▶ Plant many kinds of seeds.
- ▶ Take care of your plants.
- ▶ Watch them grow.



Which plants grew the most?
How did the plants change?

FINDING OUT

- ▶ Bring in pictures of you when you were little.
- ▶ Guess which picture belongs to each of your friends.



How did your friends
grow and change?

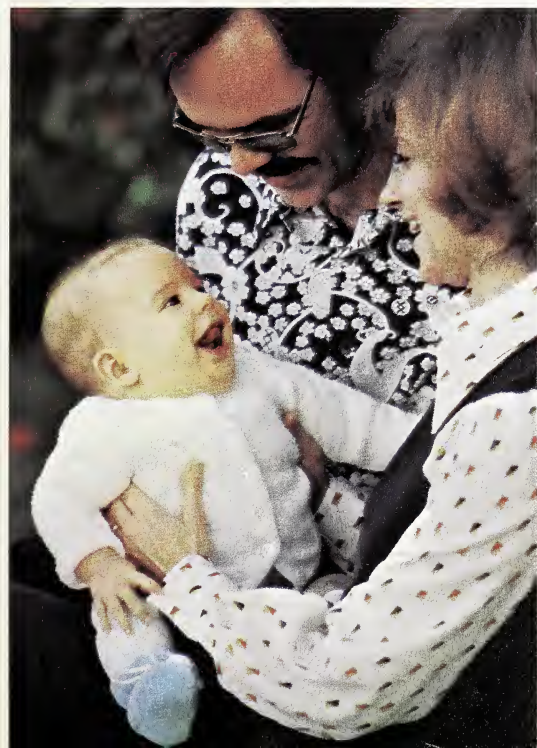
How much did you grow?
How can you tell?

New living things

Many new plants come from seeds.
Where do seeds come from?



Baby animals come from their
mother and father.



Where have you seen a baby
with its mother and father?

Care of new living things





How do some living things
care for their babies?



Needs of plants



What things do plants need?

FINDING OUT

- ▶ Get 3 plants.
- ▶ Put labels on the plants.
- ▶ Do as the labels say.



Which plant grew best? Why?

Needs of animals



What things do
animals need?

FINDING OUT

- Find some animals to raise.
- Give them what they need.



What things do your animals need?

Your needs





What things do children need?
How do you get the things you need?

Words to Know

living things
need
care
grow

plants
animals
baby

mother
father
change

Picture to Think About

What things do these
living things need?



Questions to Answer

1. What are some things living things can do?
 2. What do plants need to live?
 3. What do animals need to live?
 4. What are some things you need?
-

Fun Things to Do

Visit a zoo or a pet store.
Find out about the animals.
Find out what they need.

Make a scrapbook.
Put pictures of living things
in your scrapbook.
Show what the living things need.

3 Sorting



How things are alike



What things in the pictures are alike?

How are they alike?



How things are different



What things in the pictures are different?

How are they different?

Sorting by colour

What colours do you see
in the picture?



How have these things
been sorted?



FINDING OUT

- ▶ Find some things of different colours.
- ▶ Sort them by their colour.

What things around you are sorted by colour?

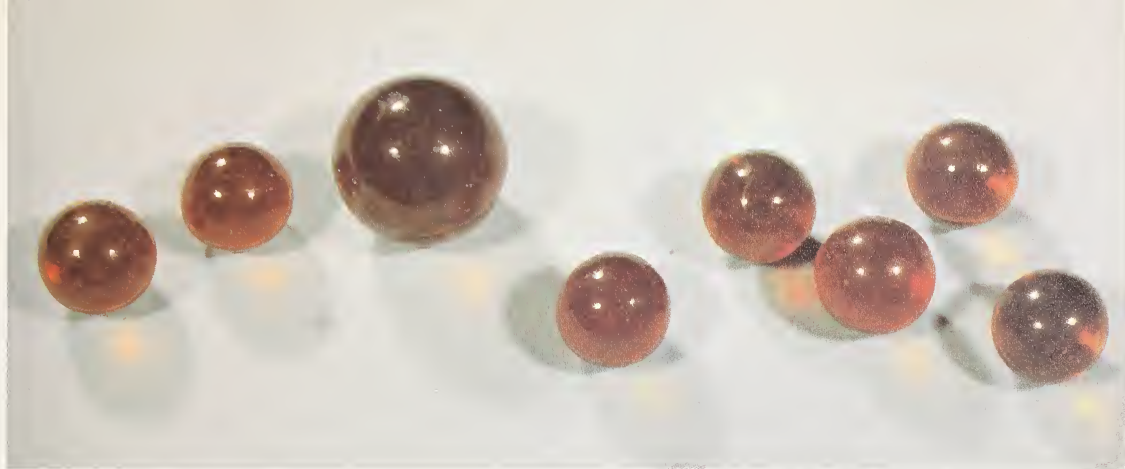


Sorting by size



Which thing in each picture
is big?

Which thing in each picture
is little?



How might you sort these things?

Sorting by shape





Find the different shapes
in these pictures.

Find the different shapes
in your room.



FINDING OUT

- ▶ Go outside.
- ▶ Find something ○ .
- ▶ Find something □ .
- ▶ Find something △ .



What other shapes
can you find outside?



FINDING OUT

- ▶ Cut out shapes from coloured paper.
- ▶ Put the cutouts in a pile.
- ▶ Sort them by shape.



How else can you sort the cutouts? Try it.

Sorting by feeling



Which things do you think
feel smooth?

Which things feel rough?



There are other ways to sort
things by feeling them.
How might you sort these things?

FINDING OUT

- Bring in some small things.
- Tell which things feel rough.
- Tell which things feel smooth.



How might you sort these things?

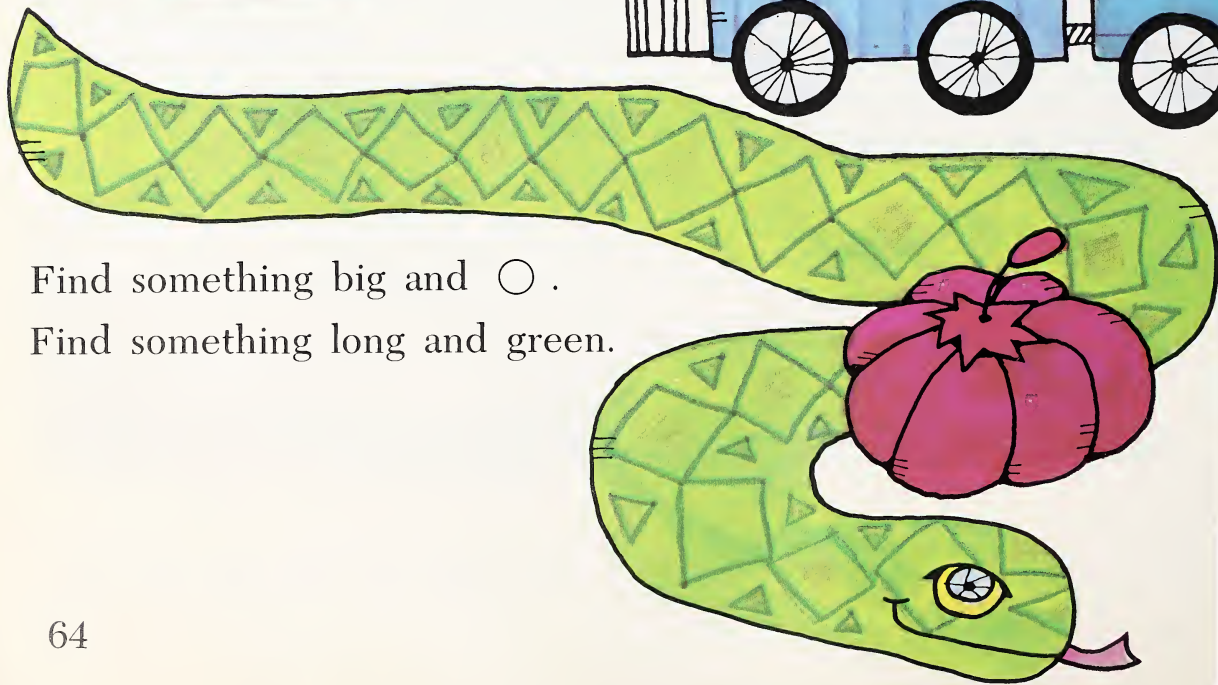
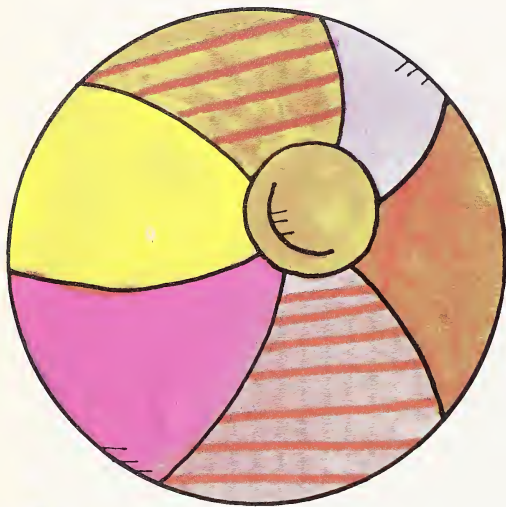
FINDING OUT

- ▶ Find some things that are hard.
- ▶ Find some things that are soft.
- ▶ Close your eyes.
- ▶ Sort the things you found.



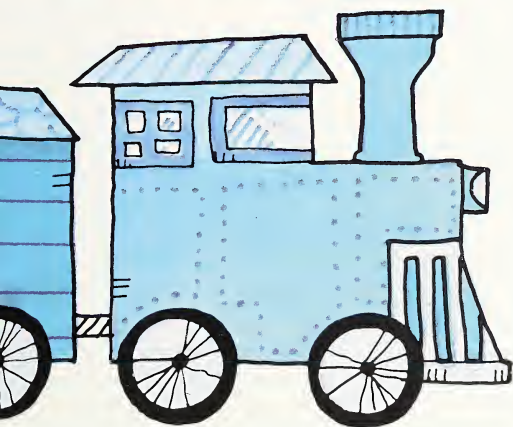
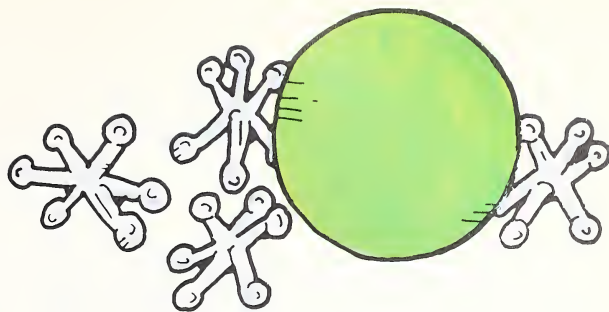
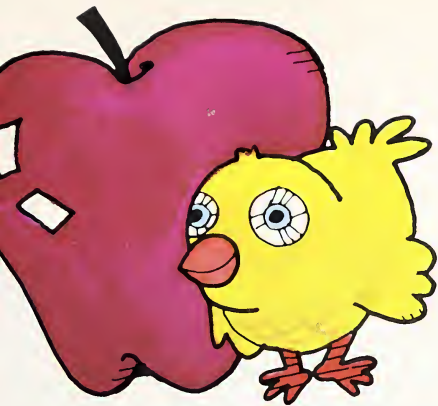
How did you sort your things?

Sorting by two differences

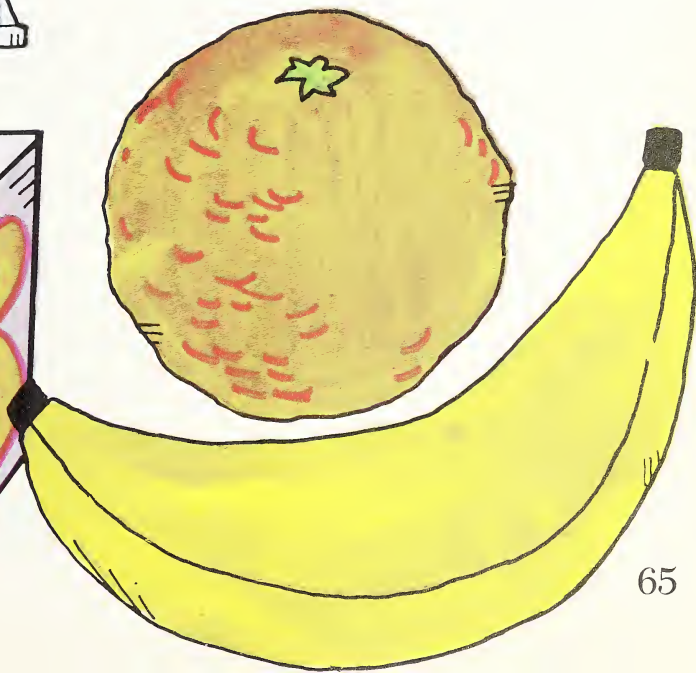
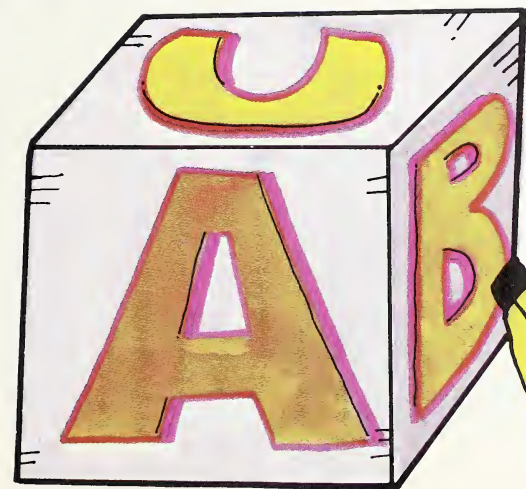


Find something big and ○ .

Find something long and green.



Find something hard and ☐ .
Find something little and yellow.
Sort these things in other ways.
Use two differences.



Sorting for selling



How have these things
been sorted for selling?



FINDING OUT

- Bring in some little toys.
- Make a toy store.
- Sort the toys.



How did you sort the toys?

Sorting at home



How are these people
sorting their food?

What things do you sort
at home?

FINDING OUT

- ▶ Put everyone's shoes in a pile.
- ▶ Try to find your shoes.
- ▶ Sort the shoes in some way.
- ▶ Try to find your shoes now.



How does sorting help you find things?

Words to Know

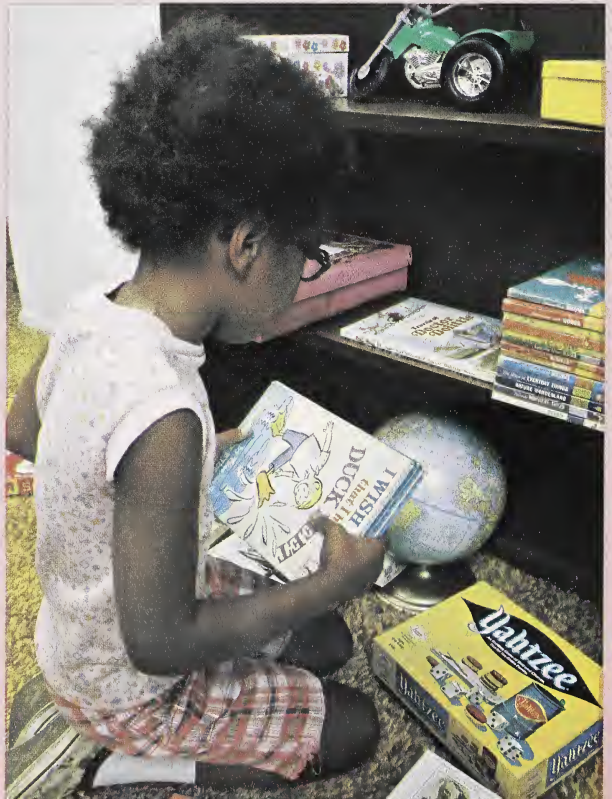
- alike
- different
- differences
- sort

colour
shape
feel
hard

soft
rough
smooth

Picture to Think About

How is this child
sorting things?
How is sorting helpful?



Questions to Answer

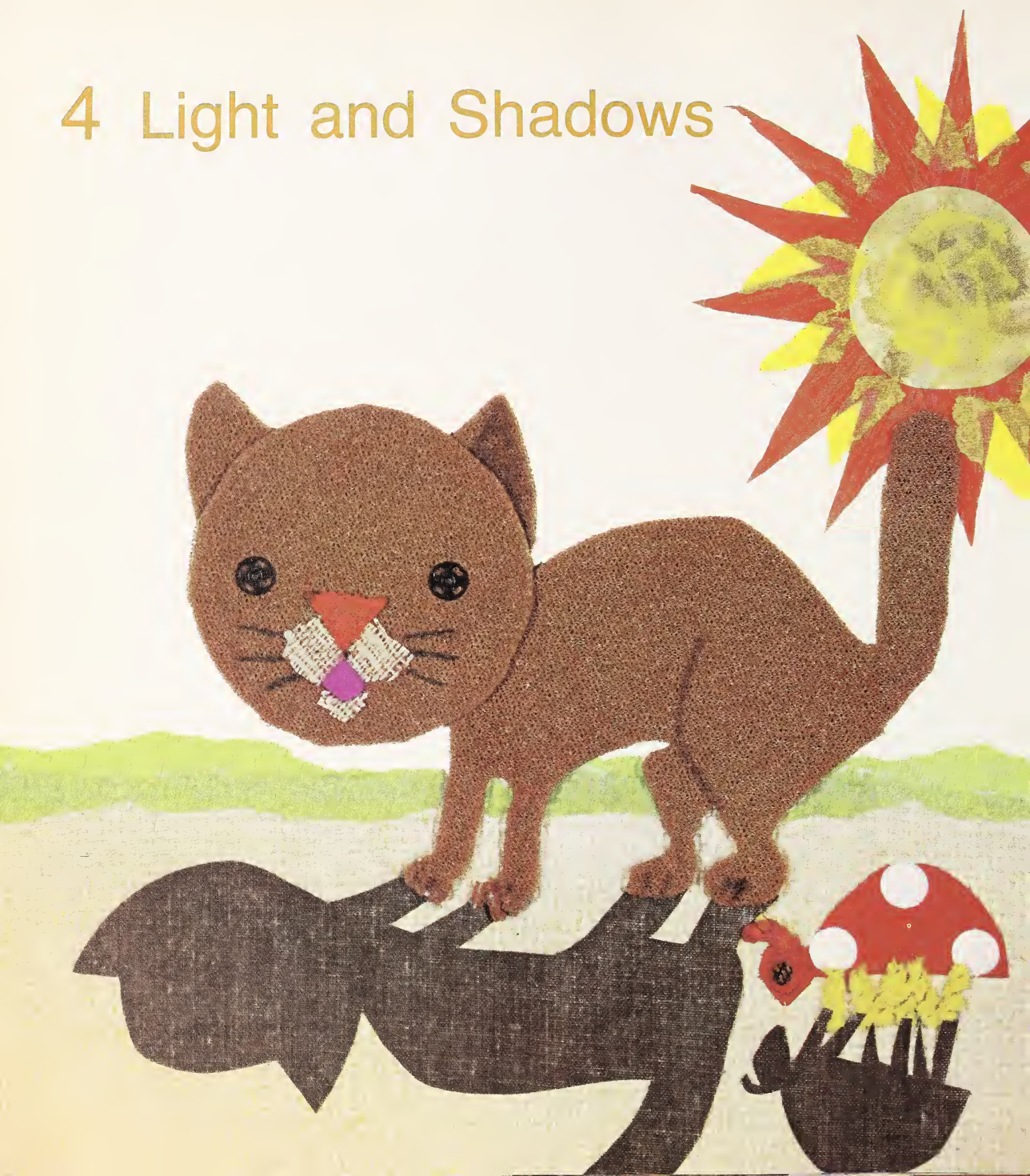
1. What are some different ways to sort things?
 2. When have you had to sort things?
 3. How has sorting helped you?
-

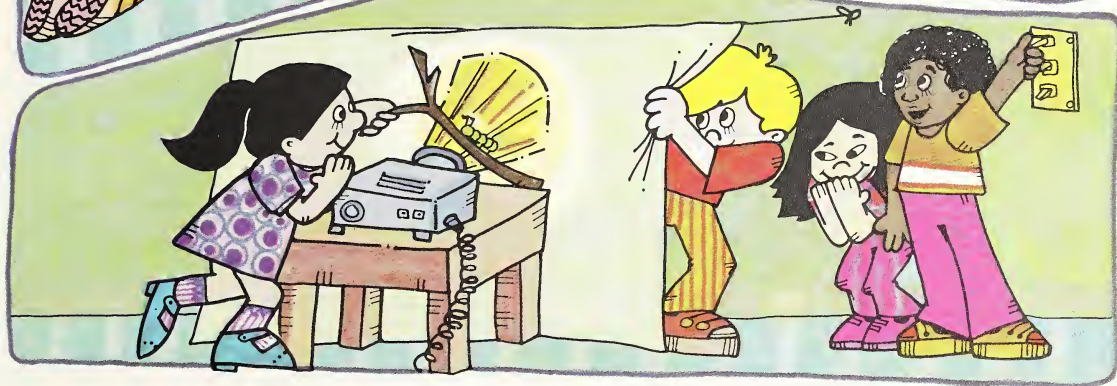
Fun Things to Do

Collect some buttons or other things.
Sort them in many ways.

Cut out some pictures of things
to eat and drink.
Make a grocery store.
Sort the things to sell.

4 Light and Shadows



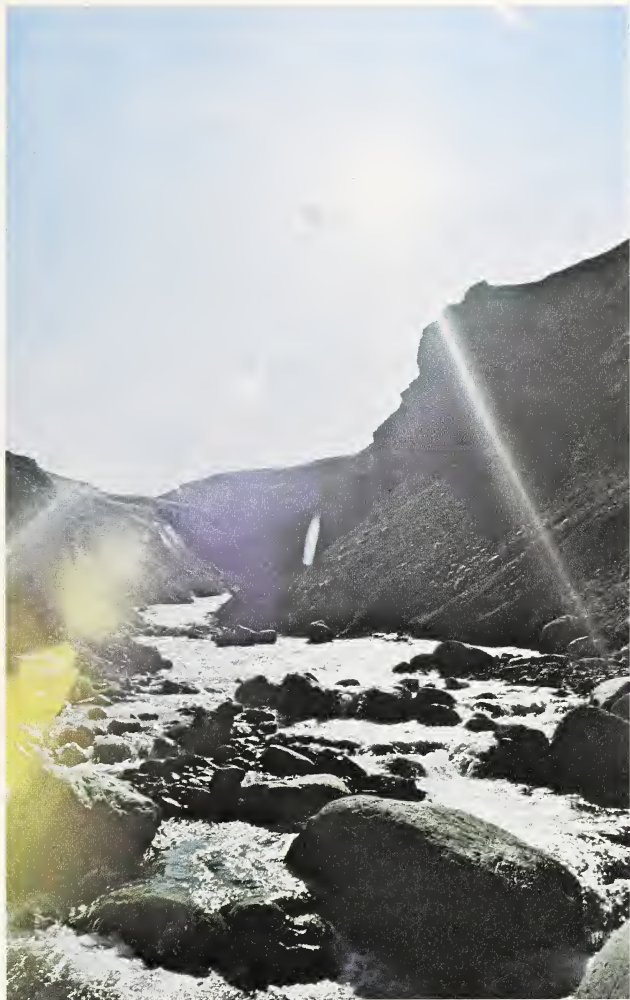


Why did the bug look big?

When do you make a shadow?

Light





Where is the light coming from?
What other things give you light?

Shadows



Find the shadows.
How do you think
shadows are made?

FINDING OUT

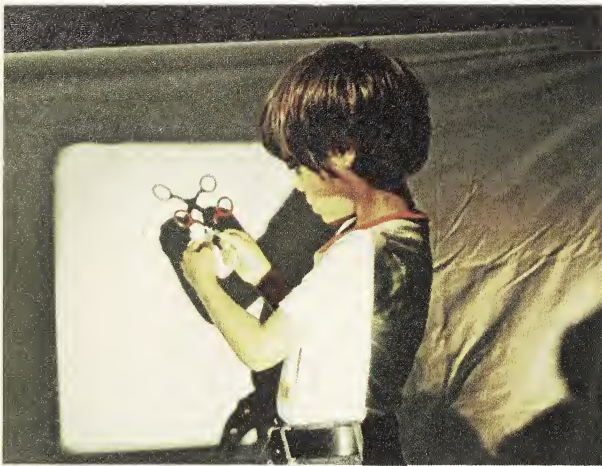
- ▶ Cut some things out of paper.
- ▶ Put each thing in front of a light.



What happened when you stopped some of the light?

Can you make a shadow in the dark? Try it.

FINDING OUT



- ▶ Have your friends make shadows.

How can you tell what is making each shadow?



FINDING OUT

- Put something close to a light.
- Look at its shadow.
- Now move it away from the light.



How did the shadow change?

Moving shadows



What things can your shadow do? Why?



FINDING OUT

- Try to step on someone's shadow.



What games can you play with shadows?

Finding the light



Which way is the light
coming from?



How can you tell where the light
is coming from?

FINDING OUT

- Show where the missing shadow should be.



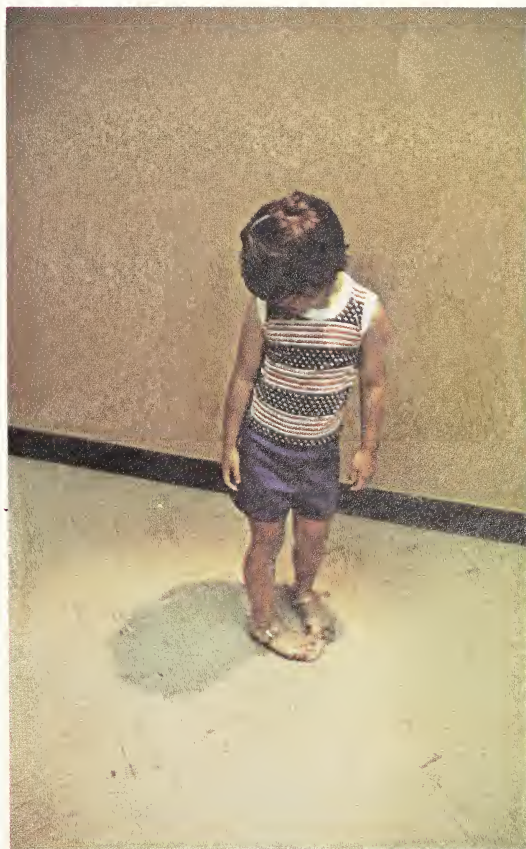
How did you know where the shadow should be?

FINDING OUT

- Walk under a light.
- Watch your shadow.



How did your shadow move?
Why did your shadow move?



Shadows in the morning



The sun is in the east
in the early morning.

How can shadows help
the girls find the east?

FINDING OUT

- ▶ Go outside early in the morning.
- ▶ Face the east.
- ▶ Face the other way.
- ▶ Find your shadow each time.



Where is your shadow when you face the east in the morning?

Shadows in the afternoon

The sun is in the west
in the late afternoon.



How can shadows help
these people find the west?



FINDING OUT

- Go outside in the late afternoon.
- Face the west.
- Have a friend face the east.



Which way do shadows point
in the afternoon?

Shadows at noon



Why are shadows small at noon?

FINDING OUT

- Make a shadow outside or by a window.
- Mark the shadow every hour.



What made the shadow move?
How is the sun like a clock?

Changing shadows



What happened to the shadows?



FINDING OUT

- ▶ Draw a shadow in the early morning.
- ▶ Draw the shadow of the same thing at noon.
- ▶ Draw the shadow in the afternoon.



How did the shadows change?

Words to Know

light
shadows
sun

morning
noon
afternoon

east
west

Picture to Think About



What time of day
is it in the picture?
How can you tell?

Questions to Answer

1. What things give you light?
2. How can you make a shadow?
3. How can your shadow help you find the east and the west?
4. How can your shadow help you tell time?

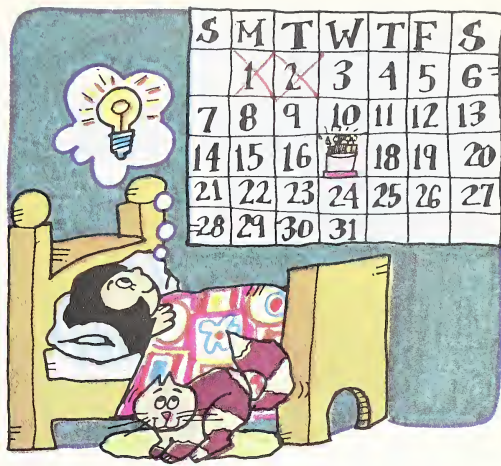
Fun Things to Do

Draw a picture from a shadow.
Colour it just one colour.

Make funny shadows on the wall.
Have a shadow show.

5 Time





Why did Cindy want time to go by fast?

When have you wanted time to go by fast?

A day



From morning to morning
is one whole day.



From afternoon to afternoon
is one whole day.

What other times can be used
to mark one whole day?



Daytime and nighttime



Daytime and nighttime
are parts of a day.

What things do you do
at each of these times?



FINDING OUT



- Put your pictures in order of time.

- Draw pictures of things you do every day.



When do you do these things every day?

Telling the time of day

Clocks tell you when it is time for school.



Clocks tell you when it is time for lunch.

When else do clocks help you?



FINDING OUT

- Get a can.
- Make a small hole in the can.
- Fill the can with water.
- Count until the water runs out.



How can a water clock show you that some time has gone by?



Minutes



Minutes help tell time.
When do minutes seem
to go by slowly?
When do minutes seem
to go by fast?

FINDING OUT

- ▶ Find a minute timer.
- ▶ Turn it upside down.
- ▶ Close your eyes until you think a minute has passed.



How close was your guess?

Yesterday, today, and tomorrow



Yesterday we rode our bikes.
Today we are playing ball.
What did you do yesterday?



Tomorrow we will play
with the trains.

What will you do tomorrow?

A week



Sunday



Monday



Thursday



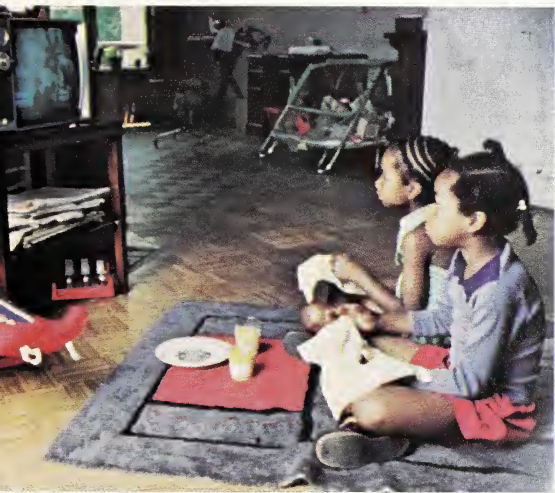
Friday



Tuesday



Wednesday



Saturday

From Sunday through Saturday
is a week.

What are some things you do
on each day of the week?

A month



How many days does
the month in the picture have?

In what month
is your birthday?



FINDING OUT

- Make a calendar for this month.
- Draw a cake on each day that is someone's birthday.
- Draw something for some of the other days.



How can a calendar help you?

A year





What are some things that
happen once a year?



The seasons

The seasons change during a year.

What is it like in fall?

What is it like in winter?





What is it like in spring?
What is it like in summer?

FINDING OUT

- ▶ Have your class make pictures of the four seasons.
- ▶ Work on the season you like best.
- ▶ Put the pictures in order.
- ▶ Start with fall.





How are the seasons different?



Words to Know

day
nighttime
clock
time

minute
yesterday
today
tomorrow

week
month
year
seasons

Picture to Think About

About what time of day is it?

What will the children do now?

When will they come back to school?



Questions to Answer

1. What are some times that can mark one whole day?
2. What things do you do once a week?
3. What things happen just once a year?
4. What are the seasons of the year?

Fun Things to Do

Have your friends hide something.
Ask them to sing a song.
Find it in the time they take
to sing the song.

Find some things besides clocks and
calendars that help people tell time.

6 Spaces and Places





Why did Charlene skate into the mud?

When is it helpful to know what is
in front of you or behind you?

In front and behind



What things are
in front of the girls?

What things are
behind the girls?

These children know what is in front of and what is behind them.
Why might this be important?



FINDING OUT

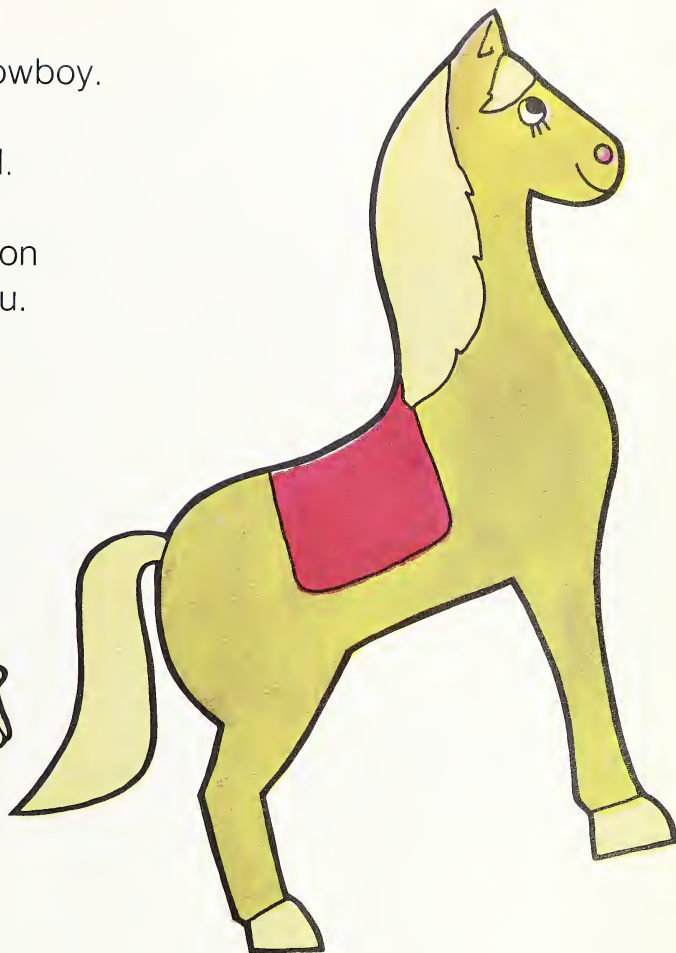
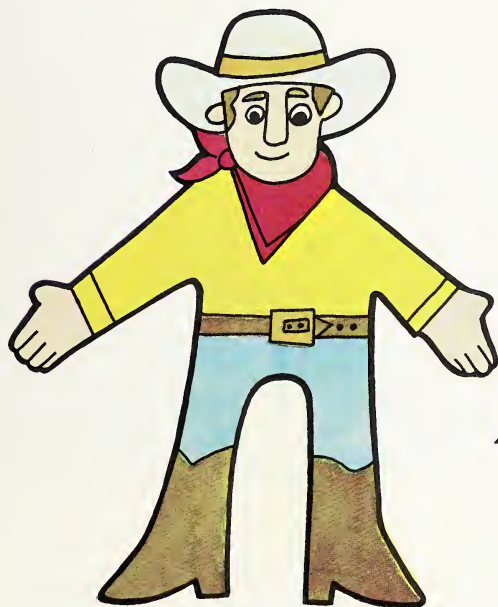
- ▶ Name some things you see in front of you.
- ▶ Name some things behind you.
- ▶ Turn around.



Now which things are in front of you? Behind you? Why?

FINDING OUT

- ▶ Draw a horse and a cowboy.
- ▶ Cut out the cowboy.
- ▶ Put the horse on a wall.
- ▶ Close your eyes.
- ▶ Try to put the cowboy on the horse in front of you.



How close did you come?

Left and right



What things are on
the girl's left?

What things are on
your left?

What things are on
the boy's right?

What things are on
your right?



FINDING OUT

- ▶ Stand up.
- ▶ Hop on your left foot.



- ▶ Shake your right arm.
- ▶ Close your left eye.

- Cover your right foot with your left hand.
- Cover your left eye with your right hand.
- Hold your right knee with your right hand.



Which of these things could you do?

What games can you make up using the words *right* and *left*?

Higher and lower



What things are higher than the children's heads?



What things are lower than
the children's heads?

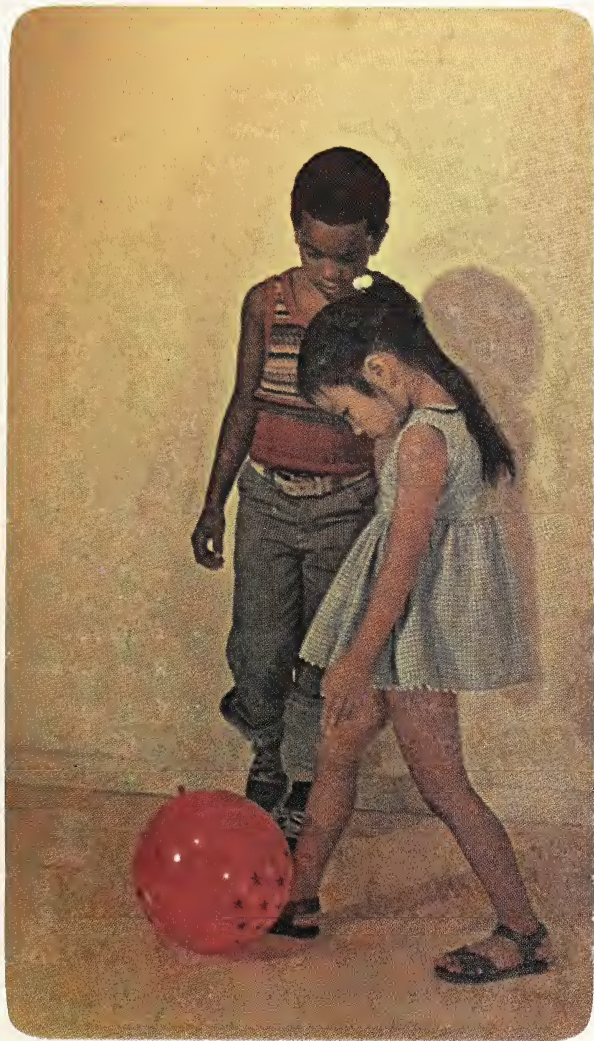
FINDING OUT

- Blow up a balloon.
- Move around while keeping the balloon higher than your head.



How did you keep the balloon higher than your head?

- Move around while keeping the balloon lower than your head.



How did you keep the balloon lower than your head?

Near and far



What things are
near the girls?





What things are
far from the boys?

FINDING OUT

- Pick something in the room while everybody's eyes are closed.
- Do not tell anyone what you picked.
- Walk around the room.

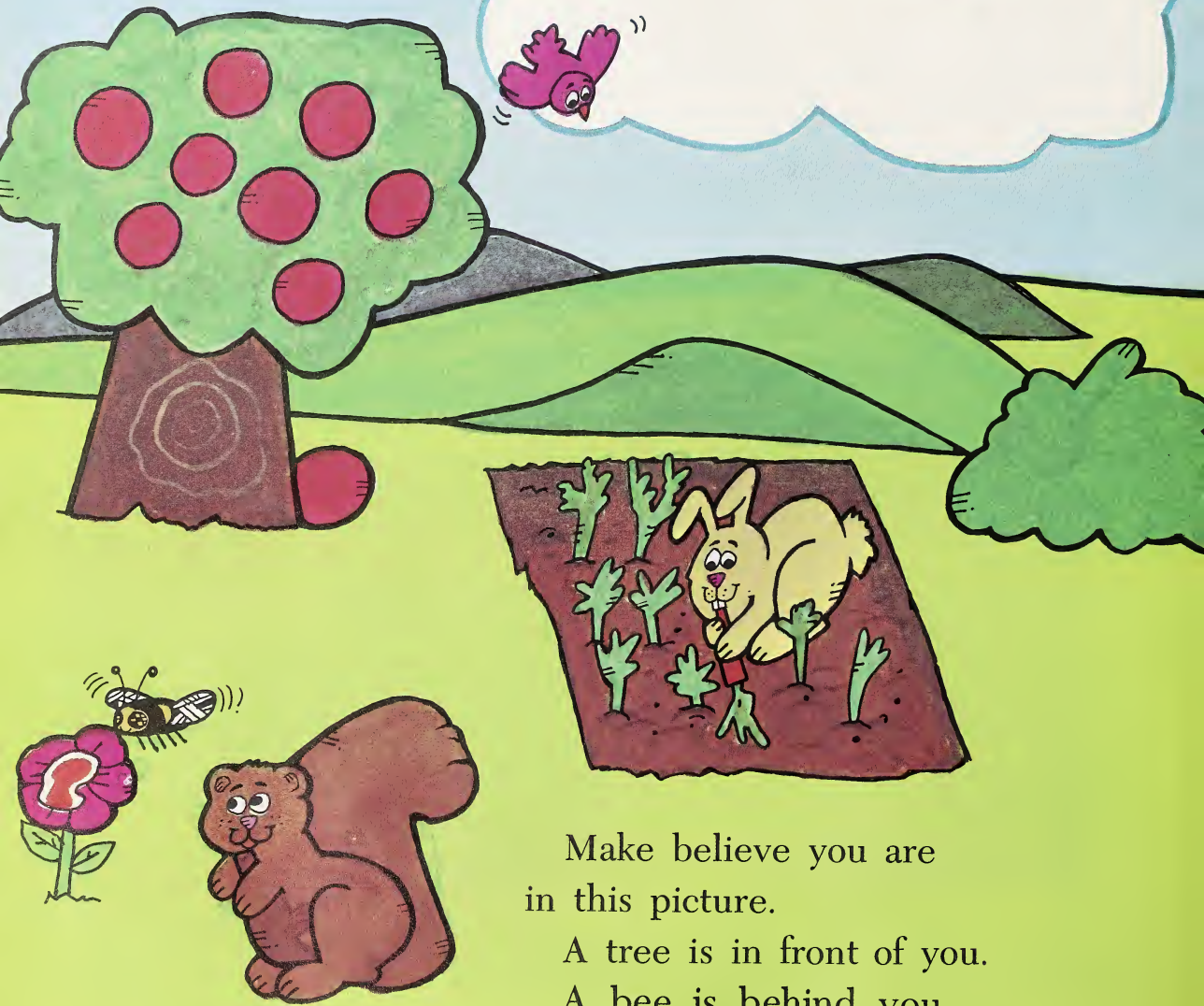


- ▶ Have everyone guess when you are near to or far from what you picked.
- ▶ Have everyone try to guess what you picked.



Who guessed right?
Have that person pick something
for the next time.

Where are you?



Make believe you are
in this picture.

A tree is in front of you.

A bee is behind you.

Where would you be standing?

Make believe you are
someplace in this picture.

Tell a friend what things
are around you.

Can your friend guess
where you are?



Words to Know

front
behind
higher

lower
left
right

near
far

Picture to Think About



Tell where the boy is by using the words in “Words to Know.”

Questions to Answer

1. What are some things in front of you? Behind you?
 2. What are some things on your left? On your right?
 3. What are some things higher than your head? Lower than your head?
 4. What are some things near you? Far from you?
-

Fun Things to Do

Have some friends close their eyes.

Hide something in the room.

Have your friends open their eyes.

Have them try to find what you hid.

Only answer questions like

“Is it near the door?” or

“Is it higher than the window?”

The person who finds what you hid gets to hide it.

Some Science Words to Know

Unit 1 Your Senses

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tasting, 19
touching, 13

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time, 99–104

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